

ABSTRACT

For sequentially input data string, the outliner
and the change point are detected through calculation of
the outlier score and the change point score by
combining a time-series model learning device to learn
the generation mechanism of the read data series as the
time-series statistic model, a score calculator to
calculate the outlier score of each data based on the
time-series model parameter and the input data, a moving
average calculator to calculate the moving average of
the outlier score, a time-series model learning device
to learn the generation mechanism of the moving average
series as the time-series statistic model and the above
score calculator that further calculates the outlier
score of the moving average based on the moving average
of the outlier score and outputs the result as the
change point score of the original data.